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The Missouri Miner, February 01, 1939

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FEB 2 1939

The DIRECTOR'S COLUMN

By DR. W. R. CHEDSEY

I am asking the students for their aid in a matter of considerable concern to the School of Mines and Metallurgy. It will require only a little thoughtfulness and a little remembering on your part.

Our crowded condition with 780 students and the nature of some of our older buildings make it easy to forget some of the little things that are, however, essential in life. I am much gratified by the general good manners of our student body, but there are a few places in which improvement could be made. I think you will all agree with me that the condition of some of our buildings with respect to a fire hazard makes it absolutely necessary that burnt matches and cigarette butts be handled extremely carefully, that is, they should be disposed of in a way that gives no possible chance for fire. In addition, it is only common courtesy to dispose of them in a way that is as slightly as possible, either in containers provided for them, or in some way in which they do not litter up the classrooms, laboratories and hallways. If we do this we will be avoiding the satire of that modern definition of a gentleman as "one who steps on his cigarette butt before it burns too big a hole in his host's carpet."

This also brings to the attention the fact that there are proper times and places for smoking and also improper times and places. I was much embarrassed some time ago at a meeting in the auditorium when between acts of the play some students remained in their seats, put their hats on and proceeded to smoke. It is unquestionably true that at certain times, such as conventions, smoking is perfectly in order in the auditorium for those who care to do so. On the other hand, on such occasions as the one referred to, it seems so much out of place that I think a little thoughtfulness on the part of the students will convince them not only of that occasion, but of other similar occasions, as being times when one should either step outside of the room, and possibly outside of the building, for the smoke between acts, or forego a smoke.

To use good manners it is not at all necessary to be thought "sissy," but simply to use a certain amount of thoughtfulness for your neighbors and consideration for all others, faculty and guests at the college, in paying attention to some of these small things. Furthermore, out of our none too adequate funds we have tried to make the maximum of facilities in instruction, equipment and supplies for the benefit of the students, and have held to the very minimum, expenditures for janitor service and for nightwatchmen and so on in the control of fires, so that the students can be most helpful if in realizing this they will so conduct themselves that there is on their part a minimum of mess for janitors to have to clean up and a minimum of opportunity for a fire to get started.

Wm. R. Chedsey.

Plans Progress for Miners' Broadcast

Plans for the MSM radio broadcast over station KFRU in Columbia next Feb. 28 are progressing rapidly under the direction of Dr. Williams of the English dept. This program is to be on the general subject of "The Student Engineer Looks at the World," and in the form of a round table discussion. The script for this discussion must be approved by KFRU station authorities.

The discussion is to be carried on by four students of the school. Tryouts for these parts will be held in the near future. Students interested in trying out for a part on this broadcast should see Dr. Williams immediately.

This program is one of a series being given by the colleges of Missouri.

Missouri U. Will Observe Centennial

The University of Missouri will observe the One-Hundredth Anniversary of its founding throughout the calendar year 1939. Several members of the Missouri School of Mines Faculty will attend the Centennial dinner to be held on Valentine's Day in Columbia.

The Missouri School of Mines will play a minor part in the celebration, since we are detached from their campus. Dr. Mann's history of the Missouri School of Mines will occupy a chapter of the volume of the history of Missouri University which they will publish during the Centennial year.

Director Chedsey said, "We are proud of Missouri University and our connection with it. The fact that it has completed a hundred years of service is worth of our help during the celebration."

THE MISSOURI MINER

MISSOURI SCHOOL OF MINES & METALLURGY

Z 385

VOLUME XXV

ROLLA, MISSOURI, WEDNESDAY, FEBRUARY 1, 1939

NUMBER 18

PLAY TO BE PRESENTED NEXT WEEK

'It's the Climate' On Lectures Series Feb. 3; Public Performance Feb. 4

"It's the Climate," a three act comedy, will be presented Friday, Feb. 3 at 8:00 p. m. in Parker Hall as the next feature on the General Lecture Program.

The play, centered around Hollywood and its film figures, brings to its hilarious plot. Alvin Straub plays the part of a young business man who sold out in the east to go to California and settle down on a chicken farm. His wife, who is played by Peggy Pohle, persuades him to invest his savings in the production of an absolutely worthless script. James Jensen plays the part of a designing scenario writer who is interested only in getting a considerable price for his cheap scenario. Julius Wild in his part of younger brother sees what is happening and tries to prevent it but is dubbed as a nut. The part of a retired farmer from Iowa is played by John Livingston and furnishes scores of laughs when the farmer is injected into some ridiculous predicaments. Virginia Schultz is his beautiful daughter, who falls in love with the detested younger brother much to the consternation of the old hay-shaker who expresses his dislike by brandishing a double-barreled scatter-gun. Charles Morris in his role of handsome young actor, complicates matters further by making a play for the wife of Alvin Straub who has fears also of losing his life's savings and his mind. Jane Hall as mother and mother-in-law worries over them all and Abraham is a wily move producer who is intent on getting his share of the spoils. From here the plot thickens.

The play will be given a second night, on Feb. 4, for the benefit of the faculty and townspeople who will not be able to attend the General Program. Admission will be twenty-five cents. Tickets are on sale.

Wiresaw Is Built by Geology Department

For some time the geology department has needed a saw which would cut extremely thin sections of rocks. They have also lacked a saw which would cut rocks in such a way they could be fitted back together. The department solved this problem by constructing a wiresaw.

This wire-saw is run by a small multi-speed motor which winds a very fine wire off of one spool on to another, the direction being reversible. Rocks can be cut at any angle and sections can be made as thin as one-sixteenth of an inch.

The saw, which was made last year, was modeled after a saw at the National Museum. However, quite a few improvements have been made over the original. At present it is the only saw of its kind in the United States, and the department is quite proud of it.

'Monte Carlo' Dance Held at Gymnasium

A rather small crowd attended the MONTE CARLO DANCE at Jacking gym last Saturday night. However, those in attendance entered into the spirit of the affair and enjoyed both the "gambling devices" and the music furnished by the Varsity Orchestra.

Bogus money, distributed at the gate, was used in such games as dice, roulette, "twenty-one," "poker," etc. which were operated by members of the St. Pats Board. The game tables were closed a few minutes before intermission and the "money" won by each person was then turned in at the cashier's desk.

At one o'clock it was announced that Bill Nesley had won a two-night ticket to St. Pats. Bill Burko won the one-night ticket to St. Pats and Lynn Riege was awarded a carton of cigarettes as third prize.

proud of Missouri University and our connection with it. The fact that it has completed a hundred years of service is worth of our help during the celebration."

Famous Dancer to Appear Here, Feb. 8



SARITA IS COMING! The famous dancer who has won many audiences with her sparkling interpretations of the dances of old Spain will appear at the Auditorium on the General Lectures program Wednesday evening, February 8. Sarita is assisted by a handsome young caballero named Velasco, a native of Madrid, and by Ricardo Romero at the piano. Mr. Romero ranks high as a composer of Spanish music and has originated many of the numbers for which Sarita has created the dances.

Sarita made her American debut in Town Hall in New York City three seasons ago. She then went to Boston, where she was called back four times in two seasons. She is now on her second tour of Southern and Middle Western cities and university towns.

Sarita, though young, has received acclaim from the dancing world for her original performances. She is an artist of unusual ability, and also has a charming personality and a flashing smile which, with the captivating music and dances of Spain, conjure happy visions of the life that is becoming but a memory in that war-torn country.

Judges Selected for Stunt Night

The Student Council, at its meeting Wednesday night selected judges for the stunt night exhibition which are to be held Thursday, Feb. 23. They also adopted a few regulations which the judges and contestants are to follow.

The judges not to know each other. This will eliminate any chance for unnecessary debate and will allow each judge to cast his vote without being influenced by the others. Each judge will cast a vote giving his opinion of who should have first, second and third prizes. A vote of first prize will give a contestant five points, a second prize will give a three point count and third prize one point. The three contestants receiving the highest number of points will win the three prizes that are to be given. This procedure of selecting winners was suggested by Prof. Kershner and adopted by the council which thought that previously tried methods were not reliable.

President Post also made it quite pointed that the Student Council representative from each organization competing in the contest would be made responsible for the conduct of its contestants. Previously there have been complaints of actions which were unbecoming to the school and Post insisted that there be "Only a moderate amount of immodesty displayed."

The council decided to have a plaque made in memoriam of three professors Dean and Garrett. They intend to put the plaque in some part of Parker Hall.

The council also approved making a collection for a group of students who lost their clothing and other belongings when the Elliott residence burned.

Interesting Movie Shown for Students

The Miners took a trip to South America, Central America, and Australia in a movie shown at the mass meeting last Friday.

This movie was in color and it showed the scenery and types of living in the different countries; the life of the Indians and the old Inca civilization in Peru, the friendliness of the Indians in Guatemala, and in Australia the beautiful scenery of Sydney and the famous bridge at the harbor.

Ping Pong Exhibition

The world's champion ping pong doubles team, Blattner and Price, will give an exhibition between the halves as a special feature of the Culver-Stockton basketball game here Thursday night, Feb. 2.

Parents and Alumni to Meet in St. Louis

The St. Louis Section of Missouri School of Mines Alumni and the Association of Student's Parents will hold a meeting in St. Louis Friday night, February 3. The meeting is sponsored by the Marine Corps Post of the American Legion and will be held in the Soldiers' Memorial Auditorium.

Invitations have been sent to parents of M. S. M. students living in or near St. Louis and also to alumni. Mr. M. N. Bedell is president of the St. Louis Section of the M. S. M. Alumni Association and Mr. H. J. Cross is the temporary chairman of the Association of Student's Parents.

Dr. Chedsey will probably address the meeting and outline the value of the work the school is doing and the needs of the school. Due to the presence of the Board of Visitors on the same day Dr. Chedsey may find it impossible to attend the meeting. In that event Mr. H. H. Armsby, Registrar of M. S. M., will address the meeting.

The officers of the two organizations are expecting the presence of Mayor Dickman of St. Louis and several members of the State Legislature.

Board of Visitors to Be at MSM, Feb. 3

The Board of Visitors which is appointed by the Governor has arranged to hold a meeting for the purpose of inspecting the Missouri School of Mines on Friday, February 3.

The Board will be taken on a tour of the campus and buildings. It has been planned to have the classrooms and laboratories open at that time.

The members of the Board of Visitors are: Mr. Tom K. Smith of St. Louis, Chairman, Mr. Cliff Langsdale of Kansas City, Mr. E. K. Kenberry of Independence, Mr. Cowgill Blair of Joplin, and Mr. Clay H. Stark of Louisiana. The Board visits the school each year before the convening of the Legislature and makes a report to the Governor.

Registrar Comments on Over-Crowded Condition at MSM

The Registrar's office has been very busy during the days since registration arranging new sections for courses that were already crowded.

Mr. Armsby, the registrar, said, "It is very hard to find a vacant classroom in any building on the campus. Some lecture courses have been meeting in the laboratories. Many new sections have been created, particularly in the freshman and sophomore courses."

Mr. Armsby continued, "The over-crowded conditions will be acute if the present rate of increase of enrollment keeps up." Due to the unexpected large enrollment this year, many professors are teaching Freshmen courses who formerly taught Junior and Senior subjects. "The only solution to this problem of over-crowded class room conditions is the expansion of the school," the registrar stated.

Tickets Are on Sale for Military Ball

Those desiring tickets to the Military Ball may secure them this week from Sergeant Johnson at the Military Office. Prices are \$1.00 drag and \$1.50 stag. Only military uniforms or formal attire may be worn. The dance will last from ten o'clock until two.

Arrangements are being made somewhat differently from the past years, and it is believed that this ball will be the best ever given. The ball will not be advertised to the general public, and tickets will only be sold as above. Thus a well-proportioned gathering is assured. A number of guests will be present from the faculty and reserve officers of this district.

Dean McKay and his well-known orchestra will furnish all the necessary rhythm. Ceremonies will include the Crowning of the Military Queen and an exhibition drill by the Detonators.

Student Body at M. S. M. Includes 12 Students from Foreign Countries

That National Boundaries Mean Nothing to Student in Quest for Knowledge Proven by Registration from All Parts of World

Unlike the Tibetan Monks of old, scholars of today cannot always find the desired knowledge at hand in their own country and at their native institutions. Now the national boundaries mean nothing to the student in his quest for knowledge to be acquired at any other than the "School of hard knocks". Realizing that all cannot be learned about any certain subject at one university many American students go abroad and thousands of foreign born students come here to study. Of these thousands of students and thousands of colleges, M. S. M. has a representation of twelve of these foreign students enrolled in her various curricula.

Three of our students here at M. S. M. come from our neighbor on the southern border, Mexico. One of them, James Henderson, a junior "Miner", comes from Chihuahua, Mexico, where his father is a mining engineer for the Potosi Mining Co. James says that he first heard of the Missouri School of Mines from some of the men who worked with his Dad and who had gone to M. S. M. They were enthusiastic about the school and convinced James that he should go here. Another product of Mexico, Bill Aves, comes from Mazatlan which is on the west coast of Mexico. Bill who is a junior "Met" was influenced greatly in his decision to come to M. S. M. by the high reputation that the school has among his Father's fellow workers and also by the fact that his Dad attended school here for two years. Bill plans to work for the American Metals Co., upon graduation.

Still another of our enrollment from Mexico is Hector Garza. A personable student, Garza attended a military academy near home, winning the distinction of being chosen to accompany a "Good-Will" tour to South America. After working a while with a surveying party in Mexico he decided to attend University City High School three months to polish his English a bit, and finally entered M. S. M. last September. Taking the Metallurgy curriculum, he expects to obtain work with an ore dressing firm in Mexico upon graduation.

Of Chinese descent, we have three students enrolled. From Shanghai, China, Shiu Chian Sun is attending American colleges to study American methods and theory of coal washing and related subjects along the line of metallurgy. According to Mr. Sun, American youth should be proud of its opportunities and the lack of predetermined social caste for which it is destined. The American poor boy can obtain higher education at a comparatively cheap cost in terms of his earnings. The attendance of high school in China is open to only the cream of student intelligence as determined by examination. A scholarship is then awarded to the most promising graduates, for study abroad. With the work done at Illinois U. last year, Sun expects to obtain his Master's degree in Metallurgy this year and return to China. While he does not now hold residence in China, Milton K. Gee was born at Canton and came to New York for his high school. To show he was no piker in studies he returned to China and completed 4 years high school there. Hope College (Michigan) became his next field for study in Chemistry. Because of the need for metallurgist in China, Gee changed to M. S. M. in 1937 and is now a junior "Met" here.

Leung Y. Lee was also born in China but now resides in New Jersey. His high school work was completed in New Jersey in 1936 at which time he registered at Rolla. M. S. M. was chosen because of its reputation and the comparative cost of attending. A junior electrical, he is undecided as to his field of work upon graduation.

From the city of the Pan-American Conference (Lima, Peru) and son of Peru's president, is Oscar R. Benavides. In England he received a high school education, then back to Lima for attendance at Escuela de Ingenieros. After three months adaptation to the American students method of study, Oscar is a firm believer in the future and possibilities of the South Americas. There has been practically no prospecting done in the vast mineral wealth of Peru

and he considers this an open field. Charles H. Plenge, also of Lima, and a close friend of Benavides has just completed registration for the second semester here. He is a graduate of a foreign high school and transferred from the School of Engineering at Lima. He insists that an engineer does not have to know but little Spanish to be successful in Peru. Both of the boys say that M. S. M. and Colorado School of Mines have the best reputation in South America as mining schools. Oscar says, "American colleges, I think are more practical and better equipped." He also says, "The Pan-American Conference was a success," speaking from the general reactions of the Peruvian people.

Oguz Avdan is attending this school through a "Institute for the Development of Turkish Mines" fellowship. The government has the industrial system practically under its control and hires graduates of Turkish schools in these industries. Some few, selected by competitive scholarships are sent to foreign countries for their free education with the stipulation that they work for their sponsors upon graduation. He was one of four sent to the U. S. Avdan contends that Turkish preparatory training is superior to the pre-college work given by our high schools by reason of the fact that they prepare the student for college in 11 years while we use 12. He admits he gets homesick occasionally, attends three movies a week and does a good bit of swimming.

While the Philippines are part of the U. S., we would still like to mention two natives under this "foreign students" column. The two are Marciano Benedicto and A. A. Bustamante who both transferred from Colorado School of Mines last fall. Benedicto has B. S. in E. E., from Philippine University of Technology. He likes it here because "there is something that makes you work harder here." Mining and metallurgy are the subjects he is now pursuing and he intends to return to the Islands to exploit the rich deposits of gold, copper, chromium and iron which he says are there awaiting development. Bustamante could not be reached as he was out of town.

Andrew Black decided to attend M. S. M. after he examined a M. I. T. rating on the engineering schools of the U. S. and found M. S. M. to rank among the three best in the nation. A native of Canada (Ontario), he completed two years at Queens University, before transferring here last January. He is following his father by taking a course in Metallurgy. "Andy" likes M. S. M. because the students are so friendly and he is interested in his subject.

Coming from Porto Rico in 1935, Jose Luis Benitez entered Soldan High School in St. Louis. He moved to Rolla and graduated last year from the local high school. He is too busy studying to appreciate the value of M. S. M. but expresses the hope to graduate and become a mining engineer, practicing in South America.

After talking with twelve students from seven different parts of the globe, one feels that there should really be no lines of demarcation between the peoples of this earth just because they inhabit a portion which is "just across the tracks" or across the mountains or oceans. Aren't we really just as much "across the tracks" from them as they are from us? In our quest for international peace it seems that a good place to settle this would be on the many campuses of the American universities. Some day when you're "cussin' them furriers" just drop by and have a visit with our cosmopolitan students and you will soon change your mind. They are truly messengers of world friendship.

Advanced Corps Vacancies To date, the Military Department has received 56 applications for advanced Corps students. There are still an indefinite number of vacancies existing. Any student wishing to take the advanced course should place his application with Lt. Powers as soon as possible.

OFFICERS ARE ELECTED BY NEW M CLUB

Lintner to Head New Body; Twenty-Five Men Charter Members of Club

The "M" Club met Thursday evening and elected officers for the present semester. The following men were elected to serve for the remainder of the year:

Carl W. Lintner, President; Irvin E. Curtis, Vice-President; Joel Frank Loveridge, Secretary; and Joseph E. Spafford, Treasurer.

The "M" Club is a recent organization on the M. S. M. Campus, receiving its charter last week. The members present, fifteen in all, voted every letter-man a charter member. They also voted a change in officers twice each school year. This system will make it possible for every man to hold office sometime during his four years in school.

Loveridge presided over the first part of Thursday's meeting and gave some very interesting reasons for the starting of the club. The main reason put forth was fellowship among letter men in different sports. Chairman Loveridge also stated that in time the "M" Club will be an outstanding organization on the campus.

A club of this type has long been desired by the athletes of M. S. M. Different clubs were investigated, in different colleges in the state, and were found to be a superior type of organization. The letter man collected suitable statistics from these clubs and drew up a constitution which was adopted by the club and approved by the faculty.

Doctor Mann has consented to draw up a charter which will have all of the charter members listed thereon. The total number of charter members is twenty-five in all. The club is under the supervision of Coaches Bullman and Gill, who will assist in club activities.

President Lintner expressed the fact that all letter men should be present at the next meeting so that arrangements for the coming semester can be discussed.

State Legislators Are Guests of MSM

The Missouri School of Mines was host to Dr. R. G. Hall of Fulton, Missouri, Representative of Callaway County and Hon. M. J. Woodward of Plattsburg, Mo. Representative of Clinton County in the Missouri Legislature and Miss Margaret Bentley, of Plattsburg, of the stenographic force at the Legislature last Tuesday, January 24. They were the personal guests of Hon. John J. Dally and Dr. W. R. Chedsey.

Hon. John J. Dally is Chairman of the School of Mines Committee in the Legislature. Dr. Hall and Mr. Woodward are members of the committee. Both Dr. Hall and Mr. Woodward said that since they had been appointed to look after the needs of the School of Mines and since neither of them had ever seen the institution, in order to do justice to their charge they thought it best to visit the institution and ascertain first hand its needs.

During the trip, in which they visited the Power Plant, the Chemistry Building, the Metallurgy Building, Mechanical Hall, Norwood Hall, and Parker Hall, they openly expressed the fact that the school needs new facilities in the way of buildings and equipment in order to provide for the large and ever increasing enrollment.

Dr. Chedsey said, "I am sure the Representatives were fully impressed with the value of the work the School is doing and the needs of our institution."

Blue Key to Assist on St. Pat's Parade

Blue Key is going to sponsor a banquet and to work with St. Pats Board to put on a St. Pat's parade.

In their meeting Friday night Blue Key decided to work in conjunction with the St. Pats Board in putting on a St. Pat's Parade. This parade is open to all students and townspeople. A prize will be awarded the best float.

Blue Key also voted to sponsor a banquet for the faculty and seniors. This banquet is to be held during St. Pats.

LAUGH

"Little things are important to little men." With this quotation from Goldsmith, West Virginia University students entered the second round of their battle of words with the staff of Das Schwartz Korps, official organ of Adolf Hitler's nazi police guard.

When that particular unit of the newspaper chorus maintained for the exclusive playing of "Heil Hitler" tunes received the cabled announcement of the Mountaineers that they were going to "break off relations with Germany", its editors called out some new adjectives for their reply: "The telegram is not very original. Nobody could expect that the dripping-nosed offshoots of Babbits who lust for war profits would deal frivolously with diplomatic relations of two nations than do Jews assembled around President Roosevelt. Prosit."

To end the second round of diplomatic battle between the all-powerful, seriously-minded journal of one nation and the fun-loving students of another nation's state university, the W. V. U. student newspaper, "Daily Athenaeum," came back with this: "You take things too seriously over there! A country that bans Mickey Mouse and Donald Duck obviously lacks humor. And if anyone should feel insulted, gentlemen, we should; for our cablegram was at least civil, and in neither of your editorials has the tone been other than defamatory. Well, we are still laughing. We hope to be able to laugh at posturings and grimaces always, no matter where they appear. Heaven help us when we can no longer laugh!"—Associated Collegiate Press.

HAIL, YE POET ENGINEERS!

Let us put out hidden talents to work for the glory of old M. S. M. No one is questioning the beautiful sentiments expressed in the existing verses of the "Mining Engineers," but we hold that there is a need for new lyrics to add to our already rich store. The MINER is, therefore, ready and willing to publish any and all contributions (well, ahem! almost all) which you may have to offer in the way of new or original verses to our native spiritual.

Just to start the figurative ball a-rolling, we print below a few tries at rhyme making which have come into our possession.

We eat raw meat,
Drink poison neat,
And sleep on broken glass.
And, anyway, it's safe to say
That we won't take no sass.
We dine on rocks and wear no socks,
There's whisky on our breath,
With gun or knife we're out for strife,
We're overdue for death!

R. Eldridge

Gulp!
We put a mighty dam across a river broad and deep,
So you can live more civilized and have your light and heat.
But we would rather work upon the crags and mountain steep,
And know that back at home our sweethearts have our hearts to keep.

Anonymous
—C. L. C.

WHAT	WHEN!	WHERE!
Alpha Psi Omega	February 1, Wednesday	Auditorium
St. Pat's Board	7:00 p. m.	Club Room
Theta Tau	February 2, Thursday	Club Room
Basketball Game	7:30 p. m.	Here
Alpha Psi Omega	Culver-Stockton	Auditorium
Alpha Psi Omega	February 3, Friday	Aud.
Board of Visitors	8:00 p. m.—Gen. Lect.	Here
Alpha Psi Omega	February 4, Saturday	Aud.
Basketball Game	8:00 p. m.—Gen. Lect.	Here
Theta Kappa Phi Dance	Springfield	
Band	February 7, Tuesday	Aud.
A. S. M. E.	7:30 p. m.	
Miner News Staff	7:00 p. m.	Power Plant
General Lecture—Sartia	February 8, Wednesday	Aud.
	8:00 p. m.	

THE MISSOURI MINER



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FEATURE PAGE

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THE MISSOURI MINER

February 1, 1939



By Carl Cotterill
Must we grow old? This is the question asked in the title of a recent paper on senility. The answer is no, if we may believe this article, which cites the comparative success of Col. Lindbergh and Dr. Carrell's experiments with the mechanical heart constructed in 1935. The principle of the glass machine is to carry oxygen laden nutrient to a separate tissue or organ in a nearby container. Thyroid glands when placed in this circuit, have lived for two or three weeks after placing the newly removed tissue in the apparatus. This article also points out that the whole human body does not wear out but only certain organs, and that if these be rejuvenated the body should have immortality.

Aircraft may be quickly spotted thru the most impossible obstacles known by the use of the radiometer (a heat detector used in a more sensitized form). The heat from the airplane motor will give it away and it may be accurately located according to results of a successful experimental period at Ft. Monmouth, New Jersey.

If your grass turns brown from any cause whatsoever you should see Dr. Montelhi of the U. S. Dept. of Agriculture. The disease known as "brownpatch" may now be successfully combated with a mixture of malachite green, Auramine Orange and a little crystal violet. In addition to its action as a fungicide, this mixture imparts any shade of green desired, to the affected and browned area, by varying the malachite green content. Two cents worth of this material mixed in five gallons of water and sprayed on the area under consideration will give a fresh green, grass-like color which will last for three weeks in the absence of rainfall.

Wandering's of a Sophs Mind

Well, I have got one thing to be thankful for, and that is that I ain't takin' Chemikal Eng. on acct of here is what happens to a Chem eng. here. He goes to school for 6 or 7 years and finally graduates, and then he can't get no job, so they make him a lab asst for the freshmen. Well he stays a lab asst until he forgets all he ever new about chemistry, and then they make him a professor. Occasionally sum lab asst will come along what aint got no conscience and then they will let him take care of the stockroom, like Doc Maize, on acct of it takes a fello without no conscience to charge a dum freshman \$3 for a testube, and sich things. Well, these fellers what gits to be profs stay profs for about 40 years and then they changem for stooges like Kunnel and Popo. By this time they doesnt no what is happenin to thim nohow. I aint allowed to tell why, but do you know, one time Popo was helpin his wife wash and he axidently got his hand cawt in the ringer of the washin machine, and before he could stop it, it squeezed 3 quarts of 90% alkylall outta him. However their is one advantage of being a kemikel, you aint in no dangir of bein electrokuted in a gas chamber at Jeff City, on acct of atfeur breethin in them fumes in the Kem Bildin fer 10 or 20 years the hydergen scinde gas what they use to kill pepul at Jeff City. don't bother a kemikel much more than this cheap perfume what Rolla girls wear would bother us uther pepul.

Eyes Over the American Campus



HORACE MANN
1796-1859
IS CALLED THE FATHER OF PUBLIC EDUCATION.
HE FOUNDED THE FIRST STATE NORMAL SCHOOL IN AMERICA.

JOHN WICKHAM, UNIV. OF TULSA ATHLETE, WEARS SIZE 14.5 SHOES / USUALLY STARTS PRACTICE LATE AS HE HAS TO WAIT FOR HIS SPECIAL-MADE SHOES TO ARRIVE.

SOCIAL COLUMN

By George L. Mitsch

The M. S. M. Co-Eds were guests of Mrs. W. R. Chedsey and Mrs. W. T. Schrenk at a tea given at the Chedsey home last Sunday afternoon. The time was spent in conversation and in listening to Mrs. Don Farquharson's rendition of several classical compositions.

Contrary to expectations the Freshman Dance was not so crowded as predicted and became one of the best dances of the year. The class this year took the dance seriously providing a trophy for the most collegiate costume and entertainment just preceding intermission. A few more dances like this and gym dances would really be a pleasure.

Alpha Kappa of Pi Kappa Alpha announces the pledging to the fraternity of Eugene Hammond of St. Louis and Alex Frazier of Kansas City.

Gamma Xi of Sigma Nu initiated the following men into the fraternity last Sunday: Elbert Sarry, George Munroe, Donald Burris, Jack Gardner, Jennings Lambeth, William McConnell, R. W. McFarland, and John Wise.

Gamma Mitchell and Miles Proctor of the Lambda Chi Hous evistied Columbia and St. Louis, respectively.

Dick Owen visited Joplin, Kansas City and Springfield during the past weekend.

MSM Mine Guarded
Until recently Prof. Forbes has had difficulty in preventing town boys from damaging property at the mine in their visits to the place over the week-ends. Mike Scharofinski, an N. Y. A. employee and caretaker of the mine, has been appointed deputy sheriff, and has been instructed to guard the property against reckless sightseers. To date he has successfully turned back a number of marauders, and also served as a guide for those actually interested in the function of the mine.

Advertise in the Miner

Equipment Bought by Geology Dep't.

The Geology department recently purchased a research microscope from E. Leitz Inc. This instrument is designed for examining rock and mineral specimens by either transmitted or reflected light. It includes a universal stage for measuring the optical constants of minerals.

A new spectrophotometer from Central Scientific Co., as well as two new binocular microscopes and a new glass beaded screen for the geology lecture room have been purchased. New light fixtures have been installed in the laboratory and lecture room. These fixtures add greatly to the comfort of the students. A diamond saw for cutting mineral and rock specimens has been purchased along with a new Jollybalance for the Mineralogy laboratory. Other equipment has been added to the department but is of minor importance.

Mr. Shelton Speaks at Sigma Xi Meeting

Mr. Shelton of the Bureau of Mines gave a very interesting and informative discussion on the electro-chemistry of manganese at the meeting of Sigma Xi January 24. The meeting was open and about 13 students took advantage of the opportunity to attend.

In his talk on the production of electrolytic manganese, Mr. Shelton pointed out that the production of manganese is twice that of aluminum and one-half that of zinc. However, 98.6% of the ore used in the United States to make ferromanganese is imported. Although

YOU KNOW THEM TOO

By Jimmy Carr

Kingpin in the largest organization on the campus, the Independents, is John Hall Livingston who also has many friends in the fraternities. Livingston, a senior in Prof. J. B. Butler's civil engineering department, lives just outside Rolla on Salem route. Besides being president of the Independents, he is president of the Society of American Military Engineers, member of the St. Pats Board and member of the honorary Blue Key. On the Student Council, he is an alternate. In the Class of '39 he was Secretary in 1937-38.

Livingston acts as a student assistant in the C. E. department. He may usually be recognized by a bow tie around his neck or a cigar in his mouth.

The United States has a reserve deposit of ore sufficient to supply the country for the next 40 years, Mr. Shelton said that the ore did not meet the requirements for ferromanganese ores.

Mr. Shelton stated that the Bureau of Mines developed a method of utilizing this low grade ore by leaching the metal from the ore and depositing it electrolytically from solution. He added that the products obtained was 99.6% pure as compared with the 80 per cent purity of ferromanganese, and will probably be comparable with the ferromanganese in cost. He closed by stating that the manganese produced is being used in alloy research, and the product will not only replace ferromanganese in industry but will become an outstanding base metal for the making of alloys.

Mr. Shelton's talk was drawn almost entirely from experiments conducted in the "pilot plant" which Mr. Shelton operated while stationed at the Bureau of Mines at Reno, Nevada.

James Miller Speaks at MSM Photo Club

"Snap That Picture" was the title of the lecture given by James Gilmore Miller before the Photography Club on Friday, January 27, in the Geology lecture room. Mr. Miller discussed the possibilities of "picture making" with the lower priced cameras, such as the Kodak Brownie and the Bantam. The various types of pictorial themes that come within the range of such photographic machines were analysed. Suggestions were given on how to trim a picture in order to remove any undesirable

Dance Dates

Sat. Feb. 4	Theta Kappa Phi
Sat. Feb. 11	Military Ball (same)
Fri. Feb. 17	Kappa Alpha
Sat. Feb. 18	Sigma Nu
March 16, 17, 18	ST. PATS
Sat. Apr. 8	St. Pats Board
Fri. Apr. 21	Alpha Lambda Tau
Sat. Apr. 22	Pi Kappa Alpha
Fri. Apr. 28	Theta Tau (Apr. 14)
Sat. Apr. 29	Kappa Sigma
Fri. May 5	Kappa Alpha
Sat. May 6	Triangle
Sat. May 13	Theta Kappa Phi
Fri. May 19	Sigma Pi
Sat. May 20	Sigma Pi
Sat. May 27	Lambda Chi Alpha

Hospital Notes

The hospital list is larger this week than it has been since the Christmas vacation, with seven students listed. All seven are suffering from colds, sore throats, and the like. The seven were Charles Koch, Tom Finley, Don Falkingham, Tason Patrick, Lewis Sears, Harvey Johnson, and Hubert Heinicke.

To Attend A.I.M.E. Meeting

Prof. Forbes of the Mining department and Dr. Noble of the Pet. Dept., are going to New York City on Feb. 13 for the national meeting of the A. I. M. E.

Student from Peru Enrolls

Carlos H. Plenge, a transfer student from the National Engineering School of Lima, Peru, has entered M. S. M. as a second semester Junior.

J. R. Othick, ex-33, formerly manager of the Titinahu Lead Co., is junior member of the firm of Othick and Son in Sumbay, Peru.

backgrounds. The common "don'ts" were outlined.

At the business meeting it was decided to have the subscription to the "American Photography Magazine" continued for another year. A cutter is to be added to the equipment of the dark room. Ed Furrington was elected to replace Walter Duncan, who is leaving, as custodian of the dark room.

We Are Open to Serve the Miners from 6:30 a. m. to 12:30 a. m. next morning.

Sno-Wite Grill
110 West 7th St.

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CALL—TUCKER DAIRY CO.
FOR—Pasteurized Dairy Products
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Where Miners Meet COLONIAL VILLAGE Everyone Welcome

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Green Tree Beer \$1.39 Case (Plus Deposit)

Wines — Liquors — Gins
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Large Enough to Serve You
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MEALS—25c

Meal Tickets
\$3.30 for \$3—\$5.50 for \$5

SPORTS PAGE

February 1, 1939

THE MISSOURI MINER

Page 3

GLEANINGS FROM OUR EXCHANGES

A plan has been adopted at the University of California by which the students grade the professors. Each student is given a card on which he rates the professor on the following five points: attitude toward students, tolerance, presentation of subject matter, power to stir intellectual curiosity, and general comment.

Students of Temple University, Philadelphia, recently presented a campus newsreel, taken by members of the commerce department. Scenes from recent dances, play and band rehearsals, elections and fraternity initiations were shown. The celluloid program was augmented by twelve acts of student vaudeville.

For four years the printers of the Texas Tech Press have yelled for a chance to put "that d-n rag out on time." This week the staff of the "Toreador" bows to the demands of these craftsmen and are allowing them to edit as well as print the paper.

Metamorphosis of a Joke

Birth: A freshman thinks one up and chuckles with glee.

Age five minutes: Freshman tells it to senior who says "Yeah, I've heard it before."

Age one day: Senior turns it into the latest popular joke as his own.

Age two days: Editor thinks it is terrible.

Age three days: Editor prints it as space filler.

Age ten days: Thirteen college "pigeon-holes" reprint it.

Age three years: Twenty-six radio comedians discover it simultaneously.

Age twenty years: Appears in Readers Digest.

Age one hundred years: Professor tells it in class.

—The DePaulia.

College Papers Are Available in Library

In accordance with their program of making the Missouri Miner truly an organ of and for the students, the staff of the Miner has placed a file of the publications of other colleges and universities on the newspaper rack in the library.

A copy of the Miner is sent to each of 18 colleges in exchange for a return copy of their paper or magazine. In this manner, the editors have access to the methods, ideas, and styles of other newspapers, which are printed under the same conditions and with the same general type of circulation readers.

By placing these publications with in access of every student in school, the Miners feels it will offer the students a chance for comparison with the papers of other similar institutions, as well as permitting of knowledge of happenings on other campuses.

The following exchanges are received regularly by the Miner and may be seen in the library. The remainder of the 18 have sent only occasional issues.

Name of Paper	School
Case Tech—Case School of Applied Science.	
Oredigger—Colorado School of Mines.	
Capahua Arrow—Cape Girardeau Teachers College	
Los Angeles Collegian—Los Angeles College	
Students Life—Washington University	
Southwest Standard—Springfield Teachers College	
Student—Warrensburg Teachers College	
Toreador—Texas Tech.	
Northwest Missourian—Maryville Teachers College.	
Linden Bank—Lindenwood.	
Pary Stylus—Park College.	

The record of the team thus far is one victory and two defeats. The second defeat was at the hands of Washington University, shooting a five man team, by a score of 1397-1354. The victory was over Texas Tech, using a ten man team, by approximately a 300 point margin.

All three matches were postal matches, which means that each team fired on its home range and the results were exchanged by mail. The last two matches were fired the week of December 17, 1938.

At present there plans being formulated to send a team to Kemper Military Academy March 10-11, to fire in the Midwest Rifle Matches, which is the biggest shoulder-to-shoulder match in this section of the country. Among the probable competitors are the teams of Illinois, Iowa, Kansas, Minnesota, Missouri, Nebraska, and Oklahoma Universities. According to Armin Fick and Bob Fields the team is the best that has ever represented M. S. M. and expects to make a fine showing in this meet.

Ralph H. Knight '27, his assistant sales manager for the Air Reduction Sales Company, 630 South 2nd St., St. Louis, Mo.

TROLLY INN Sandwiches, Homemade Pie, Good Coffee, West Ninth

FOLLOWILL DRUG CO. Valentine Time will soon be here—Leave us her name and we will mail her a beautiful heart box of WHITMAN'S FINE CANDY

C. D. VIA The House of a 1,000 Values ROLLA, MO.

Schill, E. A. 375 Wilder, H. 372 Crecelius, H. 372

To Oppose Miner Cagers Here Thursday



Pictured above is the basketball squad of Culver-Stockton College, Canton, Mo., leaders of the MCAU, the Miners' opponents here Thursday night, Feb. 2

Springfield Teachers Retain MIAA Lead by Defeating Miners, 33-28

Big Jack Russell Stars for Springfield with 17 Points; Kamper and Niemiller Stand Out on Miner Squad in Good Game

By Jack Emery

MIAA Standings

Teams	W	L	Pct
Springfield	4	0	1.000
Warrensburg	3	1	.750
Maryville	4	2	.667
Cape Girardeau	2	3	.400
Kirkville	1	4	.200
Rolla	0	4	.000

Big Jack Russell peppered 17 points into the basket Friday night to provide the momentum for a 33 to 28 victory over The Miners, and with it the State Teachers college Bears chalked up their ninth straight win to bolster their position at the head of the MIAA race.

It was triumph No. 4 in the conference and the Bears did it the easy way, by taking the lead at the outset and never surrendering it.

LONG SHOTS CLICK

At the half it was 17 to 7, but things became a bit more spirited in the second half when the Engineers began to click on long shots from out near the edge of the playing premises. The visitors climbed up to 21-18 at one point, after scoring six points at the start of the second half, before STC could register.

Then the score mounted to 26-23, all this with the STC starting five

Olcott, H. 371 Finley, F. 370 Fick, A. 368 Fields, R. E. 367 Mack, Jim 357 Elliott, R. D. 356 Rhodes, Dusty 356

TOTAL 3668

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Schill, E. A. 375 Wilder, H. 372 Crecelius, H. 372

Miners to Oppose Kemper Swimmers

The Miners will meet Kemper Military Academy, Friday, February 3, in their first swimming encounter of the season. The meet is scheduled to be held at 5:15 o'clock in the Jackling Gym Pool. The meet will consist of: 40 yard free-style, and 100 yard free-style swims; a 60 yard breast and 60 yard back stroke event; 120 yard medley; 160 yard relay; and low board diving.

Coach Bullman issued a call some time ago for swimmers and received practically no response. He stated that he will be on hand at the intra-mural meet Wednesday evening, and will try to draft some capable men. If at this time he finds some good competitors, he will hold a try out meet Thursday evening and will select from this group the participants for Friday's meet with Kemper.

Any men who are interested in swimming please report at once to Coach Bullman or Captain Miller.

The Standings:

Team W L

Froeh 6 0

Seniors 6 1

Juniors 5 1

Sigma Nu 5 2

Soph 5 2

Pi K. A. 4 2

Theta Kappa Phi 3 3

Lambda Chi 2 4

Triangle 2 5

Sigma Pi 2 5

A. L. T. 1 5

Kappa Sig 1 6

K. A. 0 6

Alvin W. Knoerr '38 and Raymond R. Medley '38, both from the Missouri School of Mines, have gone to Climax, Colo.

MINERS RELAX

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X-Ray Machine Is Important Asset of Ceramics Dep't.

An important part of the equipment of the Ceramics Department is their x-ray machine. This machine is used in the qualitative analysis of ceramic materials. A quantitative analysis can also be made with the employment of a piece of mechanism known as a microphotometer.

The success of the x-ray machine is dependent upon the penetrating power of the rays. The intensity of the rays however is not as great as those used for surgical and medical purposes. Thus when these comparatively weak rays are permitted to fall upon a sample of ceramic material that has been placed in the apparatus they are deflected by the chemical components of the sample onto a photographic film upon which a characteristic pattern is formed. Over 2,500 known compounds have been analysed to obtain their characteristic pattern and these are used as a standard for determining the chemical constituents of the sample.

After the pattern on the film has been identified, a quantitative analysis can also be made by employing the microphotometer, which is composed of two instruments, a measuring microscope and a very sensitive galvanometer. The film is placed in the measuring microscope and a beam of light passed through it. This beam of light generates an extremely weak electric current that varies with the density of the image on the photographic film. The sensitive galvanometer records the amount of current that has been generated, and using this as a basis the amount of the substance present in the sample can be calculated.

Professor Herold has been using this equipment in his research work to determine a suitable dye or stain that will produce a satisfactory red color on ceramic-ware. The results of his work will be published sometime in April in a bulletin of the technical series issued by the Experiment Station here on campus.

Freshman Dance Is Held at Gymnasium

The Freshman Dance Committee met on Wednesday, Jan. 25 in the chemistry lecture room to decide the program for their dance which was given on Friday, Jan. 27th in the Jackling Gymnasium. A survey was made of the possible talent available among the Freshman as Prof. Black's glee club was not prepared to perform. The following suggestions were given:

1. A burlesque of a ballet.
2. "The German Band" that has performed for some of the gatherings on the campus.
3. Songs by Louie Moore.
4. Special number by the Varsity Orchestra.
5. Dances by Mr. and Mrs. Cornwall of the Cornwall School of the Dance here in Rolla.

The last three were given on Friday night. Louie Moore sang "Small Fry" to the accompaniment of the orchestra. Mr. and Mrs. Cornwall did a tango and the Lambeth Walk. As Mr. Pohl, the president of the freshman class, puts it, "Such skill and grace as was shown by the entertainers this evening was well worth the uproar of applause given them by the students."

Miss Mary Louise Breuer and H. W. Brown were awarded the prizes for being the most collegiate looking couple at the dance. The cups given to the winners were made of ten cent tin funnels. Prof. Brown acted as judge for the evening.

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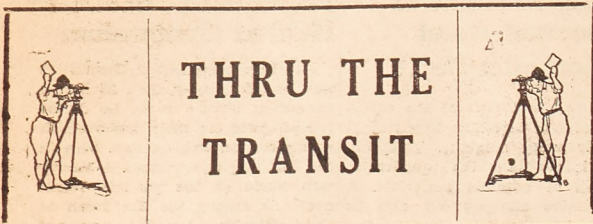
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Let us sell your "used" books for you. Set your own price. No commission charged.



THRU THE TRANSIT

How is it that Ladd knows so many good looking girls in Springfield? Too bad that a Rolla athlete has to go to Springfield to be recognized. Speaking of Springfield, Domjanovich and a Rolla basketball player called their lady friends on the phone and found out that they were recently married. Good thing they used the phone instead of calling at the house.

What happened to Bill Harbour on the gym floor during a basketball game? They tell me he couldn't get to a window fast enough. Wonder how Nesley feels after winning the St. Pats tickets? He is one of the few Miners who are positive of attending both the Friday and Saturday night events.

B. C. Compton has been out of circulation for awhile due to an us in a short while. Also Nichola operation and he will be back with is out of school due to an operation. He had better get back soon before the new paint gets worn off of Room 0.

How does Brigham Young account for that scratch on his head? It appears as if someone has been patting him on the head with her fingernails.

Why were Wilson and Rieke and Leber so insistent on cutting the throats of Parker and Lintner during Saturday night's struggle? Huey Summers and Ryba were

going to the dance after intermission but it appears that they didn't get there.

The stag line Friday night was one that broke all records. It was so bad that the boys were even dancing with each other. The Saturday night dance wasn't quite so crowded but Boorky was really in that crap game winning, and losing. He ended up with nil as did Floyd Watts, who did have \$12,000 and lost it on cut of the cards.

What is it that Mary Lou Breuer had that none of the other gals had at the Collegiate Dance Friday night, to make the judges give her the tin cup?

Wonder why MacFarland doesn't get a new music stand. His looks kinda out of place with the others.

Nevins is the show of the sophomore basketball team. They could charge admission and get it from people who really get a laugh from watching him. He will guarantee to fall flatter on the floor than anybody else in school.

We see that Mrs. Miles Proctor is now wearing her wedding ring. We thought it was going to be a secret. Wonder why "Arkansas" goes to St. Louis over the week-ends and leaves his spouse here?

Who was that well known little columnist trying to date in Duncans Friday night.

'Hell-Week at Fraternities Is Fun— Say Pledges—After It's All Over

Period When Active Members Assign Unique
Tasks to Pledges Tests Their Ingenuity, Wits, and
Endurance; Variety of Stunts at Frats Described

Hell-Week, as its name implies, is a period of three or four days, during which the activities of the fraternities assign their pledges to tasks that test the ingenuity, wits, and physical endurance of their future brothers.

While there is a certain amount of gripping, the pledges usually think that it's a lot of fun—after it's all over. Often, Hell-Week resolves itself into a competition between the actives and the pledges. Altho, as one bleary-eyed pledge stated, "We can't win," they sometimes make it very uncomfortable for the actives. To verify this statement, we might mention the Kappa Sigs, who found their beds corn-flaked, and, when they started in pursuit of their belligerent pledges, they were confronted with several sets of deflated tires.

The tasks assigned to the pledges would often puzzle the most expert Scavenger Hunter and some missions are guaranteed to remove every vestige of self-consciousness that might be lingering in the pledge's system.

Some of the articles collected by pledges during Hell-Week include a 1937 Sear's Catalogue, a white cat, ten hairs out of a mule's tail, a 1937 license plate, a "No-Fishing" sign, and the dimensions of the Ladies Rest-Room at the Pennant Hotel. These tasks are only minor ones that supplement a major project that is assigned to every pledge, usually on the first night of Hell-Week.

On this night, at some late hour, the supposedly unsuspecting pledge is suddenly confronted with some important task at perform. He is usually allowed no light or equipment of any kind and is supposed to speak to no one. Some of these tasks included the signature of the head engineer at the roundhouse at Newburg, a record of the signals on the Railroad track from Rolla to Dillon, and various information about a store at Dillon, including dimensions of the store, advertising, and type of gasoline, a cubic foot of clay from the clay pit, and all information concerning the scale at the pit; a personally drawn map of the fairgrounds, and the school mines; ten used wads of gum from Harvey's, seven all different cigarette butts; the number of bricks in the Frisco Station and platform; and the Theta Kappa Phi dinner bell. The last named mission was not carried to a successful conclusion because the Theta Kappa Phi's, anticipating something like that, had locked up their loose equipment.

The pledges were not all caught entirely unawares, and many of them had flash lights and other equipment stored at friends'

houses. Automobiles were illegally used for trips to Newburg, the clay pit, and other long distance spots. Then there was the one group of pledges who happened to run on the list of assigned projects several



Aki mTamiroff, Frances Farmer and Leif Erikson in
"Ride A Crooked Mile," at the Rollamo Theatre, Feb. 7

days in advance and did a little preliminary work.

The constructive work carried on by the pledges is usually culminated by a "Spring House cleaning." They wash the kitchens, whitewash basements, wash furniture, wax rooms, and run all type of errands for the actives.

All thru Hell-Week, the pledges are also subjected to a certain amount of discipline that is effectively enforced by the liberal use of paddles. Many of the pledges were required to walk up and down the stairs backwards, reciting a poem on each landing. They also had to eat with chop sticks, drink milk through a nipple, and one pledge's neck was graced by a dead herring.

One fraternity required a series of talks at the dinner table, one of the most interesting being about a one hour graph with five minute intervals, showing the rise and fall of the temperature of the water in the toilet bowl and discussion. It was shown that the temperature, taken with a 100° Centigrade thermometer, varied between 10° and 11°.

To fill in any spare time that they might have, one group of

pledges played train, spun the milk bottle, and various other intellectual games. Another group walked guard and yodeled the time from the attic to the corner in the early hours of the morning, while yet another group did an imitation of a rooster at 6:00 a. m. every morning.

Theta Kappa Phi, Kappa Sigma, Sigma Nu, and Sigma Pi have completed their Hell-Weeks, while Lambda Chi Alpha, Kappa Alpha, and Triangle expect to hold theirs in the near future. If you see any dazed Miner with red eyes wandering around in the next few days, you can lay odds that it is probably either a Pi Kappa Alpha or an Alpha Lambda Tau pledge out on some "constructive" mission.

WHO'S WHO IN MSM ALUMNI

By A. E. STRAUB
Gerald Rackett, '20

Sometime in September in the year 1916, an impudent young lad stepped off the train into the waiting arms of a large group of sophomores and announced gaily,

"I'm Gerald Rackett—big noise from Chicago!" A few minutes later a sadder but wiser young man shook himself free of the waters of the Frisco Pond, grimly rubbed certain sore spots, and quietly started in search of a room with the memory of his first bitter taste of freshmen life at the Missouri School of Mines. In the good old days, fresh in his mind. Today, Gerald Franklin Rackett is directly responsible for the Technicolor motion pictures which are becoming more and more popular. He is Vice-President of the Technicolor Motion Picture Corporation and holds patents on optics of photography and projection and on photographic chemistry and photo-mechanics.

Gerald is remembered today by members of the faculty and by several business men of Rolla as a hard working, bespectacled, young fellow with a wonderful personality. During his school years here he was Student Assistant in Mineralogy, Student Assistant in Field Geology, and Instructor of Mathematics. He was a member of the Grubstaker Club, Satyr Club, and Tau Beta Pi. During his junior year the members of his class made him their vice-president and in his senior year he was made Editor of the MINER. Rackett graduated in 1920 with a B. S. degree in Mining.

Since leaving school, Gerald has had experience in surveying, mineral and oil examination, engineering construction and materials testing and control, research in tri-color motion picture photography, and industrial management. He has worked in nine different states from New York to California and from Alabama to Michigan, and also in England and France.

Gerald was listed in the "Film Daily Annual Year Book of the Motion Picture Industry." He serves as Executive Vice-President of the Society of Motion Picture Engineers, has done committee work for the Academy of Motion Picture Arts and Sciences, and is a member of the Illuminating Engineering Society and of the Photographic Society of America. In his capacity as Vice-President of the Technicolor Motion Picture Corporation, he is in charge of manufacturing, engineering, labor relationship, and customer relationship. In 1927, Rackett received the

Water Is Installed in Student Trailers

The students living in the two trailers on M. S. M. property on the Nagogami Road have laid a small water line from the city main across the road to the trailers to insure a sanitary supply of water. The cost of the materials so far, has amounted to about \$15.00.

Robert Howser, John McClendon, Michael Scharafinski, and Harvey Welch have taken advantage of the lull between semesters to lay the half inch pipe line from the water main thru a three foot ditch across the solidly packed road. The boys were greatly aided by Mr. Bronson of the Mo. General Utilities Co., and his able employees.

Friday and Saturday were spent in cutting the ditch, a distance of about fifty feet, through the tightly packed gravel from the water main to the meter box. It was quite a task for the boys to accomplish this job without blocking the traffic. However, their work was enlightened by the attention given them by the various young ladies and W. P. A. Workers, who passed along the road.

At present 50' of ½ inch new copper pipe has been laid and a meter box installed. Later about 150' of ½ inch galvanized pipe will be laid from the meters to the trailers. It is planned to do this with second hand-material.

Blue Print Machine Favorite Spot for Student Signatures

On the top floor of Norwood Hall stands a machine familiar, no doubt, to many of us who have gone through the prescribed course of Engineering Drawing and which serves a dual purpose—although it was not originally intended to do so. Built originally for the sole

honorary Engineer of Mines degree from this school.

purpose of producing blue prints of quality, it has since increased its value by serving as a tablet for hundreds of students hoping to leave their "footprints on the sands of time" or demonstrate to posterity that such and such a celebrity once roamed the dusky depths of Norwood's fourth floor.

The motives which prompt this desire to place one's John Hancock conspicuously on a piece of cloth must indeed be strong ones, for the exterior of the instrument, a cloth covered glass cylinder, is littered with a conglomeration of marks. We find the fad starting way back in '26, or at least that is as remote a date as can be found listed without a more meticulous search. The reason for this late beginning (surely the urge existed in students before '26) lies in the fact that only around that time was the signing of names on the cloth permitted. Had this privilege been granted when the machine was purchased, shortly before the beginning of the twenties, we can vision the machine now as a huge mass of graphite and ink streaks through which an occasional glimpse of an arc lamp may be seen.

The machine, consisting essentially of a glass cylinder about six feet in height, fitted with apparatus within it for raising and lowering an arc lamp, remains a useful instrument in addition to being a monument for recording M. S. M. student posterity. As it stands today, many celebrities can be seen to have once been freshmen (we assume only freshmen obey the urge) and even the class of '42 has already sufficiently represented itself.

James D. F. Evans '38, last year at the Missouri School of Mines, is with the London Gold Mines in Alma, Colo.

Elmer Volz spent a week-end in Rolla this September. Volz is with the Bakelite Corporation. His home address is Box 304, Bound Brook, N. J.

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